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HEIFER POINT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

WATERFLOW QUADRANGLE  
NEW MEXICO-SAN JUAN CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79 - 793  
PLATE 7 OF 19

EXPLANATION

NON-FEDERAL COAL LAND - Land within the KRCRA boundary for which the Federal Government does not own the coal rights.

STRIPPING-LIMIT LINE - Boundary for surface mining of the Fruitland 3 coal bed (in this quadrangle, the 200-foot (61-m) overburden is stripped). Arrows point toward the area suitable for surface mining. Recovery factor of 85 percent within that area in this quadrangle.

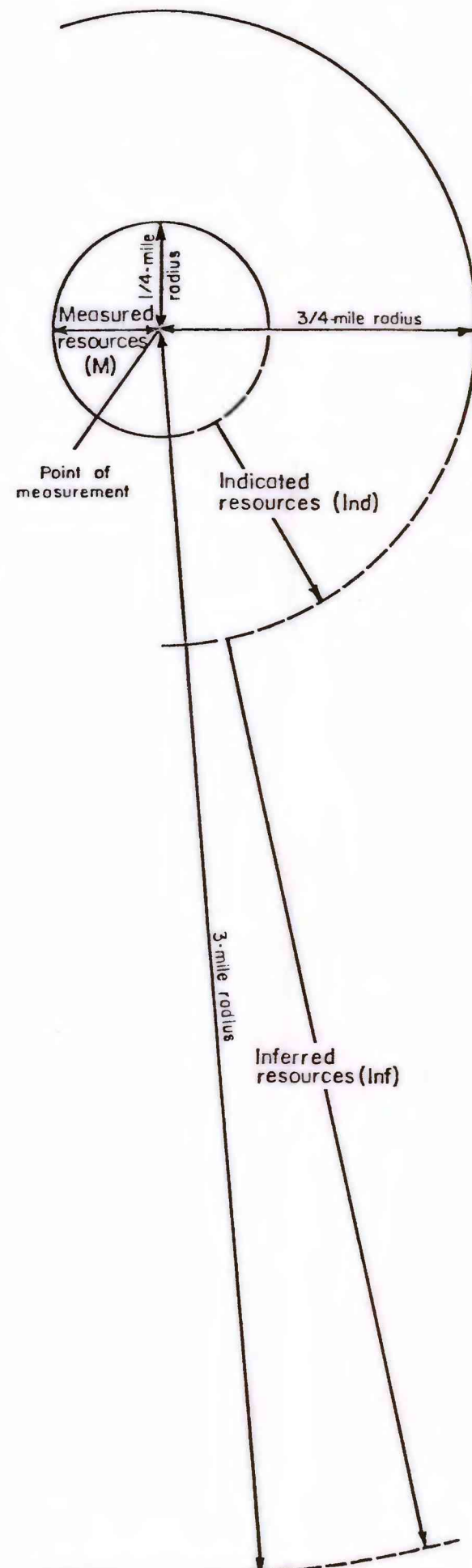
BOUNDARY OF IDENTIFIED RESERVE BASE COAL - Drawn along the 3-foot (1.5 m) coal isopach (1) and the KRCRA (R) and Federal coal lease (P) boundaries. Arrow points toward area of identified Reserve Base coal.

RB R (85%)  
-- (Measured resources)  
0.02 0.02 (Indicated resources)  
-- (Inferred resources)

IDENTIFIED COAL RESOURCES OF THE FRUITLAND 3 COAL BED - Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of section of Federal coal land within the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) x the Recovery Factor (85 percent) = Reserves (R).

RB R (50%)  
0.23 0.12 (Measured resources)  
0.46 0.23 (Indicated resources)  
-- (Inferred resources)

IDENTIFIED COAL RESOURCES OF THE MENEFFEE 6 OR FRUITLAND 3 COAL BEDS - Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of section of Federal coal land outside the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) x the Recovery Factor (50 percent) = Reserves (R).



BOUNDARY LINES - Enclosing areas of measured (M), indicated (Ind), and inferred (Inf) coal resources. Dashed where projected from adjacent quadrangles.

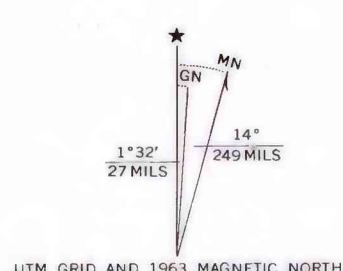
To convert short tons to metric tons, multiply short tons by 0.9072.

To convert miles to kilometers, multiply miles by 1.609.

Values given for stripable and subsurface Reserve (R) tonnages represent 85% and 50%, respectively, of the calculated Reserve Base (RB) values. Calculated Reserve Base and Reserve values have been rounded off to the nearest 10,000 tons of coal.

Base from U.S. Geological Survey, 1963

Compiled in 1979



COAL RESOURCE OCCURRENCE MAP OF THE WATERFLOW QUADRANGLE,  
SAN JUAN COUNTY, NEW MEXICO  
BY  
DAMES & MOORE  
1979

PLATE 7  
AREAL DISTRIBUTION  
AND IDENTIFIED RESOURCES OF THE  
FRUITLAND 3 AND MENEFFEE 6 COAL BEDS

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